

STEREO MOC Status Report
Time Period: 2012:135 - 2012:141

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 139, during the DSS-63 support, turbo decoder lock was lost briefly beginning at 0614z. This anomaly resulted in the loss of 89 frames of SSR data. See DR# N108107 for more information.
2. The following spacecraft/instrument events occurred during this week:
 - The average daily SSR playback volume for Ahead was 5.6 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 135, during the DSS-43 support, turbo decoder lock was lost intermittently beginning at 0406z through 0444z. This anomaly resulted in the loss of 148 frames of SSR data. See DR# N108100 for more information.
 - On day 137, for the DSS-63 support, initial acquisition of signal was delayed four hours and 20 minutes as the antenna could not be rotated due to a hydrostatic bearing anomaly. The hydrostatic bearing anomaly was corrected and telemetry lock was established at 1920z. As there was only 30 minutes of track left in this support, SSR pointers were repositioned to minimize data loss. This anomaly resulted in the loss of 260 minutes of commanding, real-time telemetry and tracking data, and approximately 24 hours of SSR data for each instrument. See DR# M106776 for more information.
 - On day 138, during the DSS-63 support, turbo decoder lock was lost briefly at 1642z. This anomaly resulted in the loss of 33 frames of SSR data. See DR# N108106 for more information.

- On day 139, during the DSS-14 support, telemetry lock was lost at 2007z when the antenna brakes were set. After the brakes were released, telemetry lock was re-established at 2013z. This anomaly resulted in the loss of several minutes of SSR data for each instrument. See DR# G112724 for more information.
- On day 141, during the DSS-63 support, turbo decoder lock was lost briefly at 1600z. This anomaly resulted in the loss of 174 frames of SSR data. A DR has been requested.

2. The following spacecraft/instrument events occurred during this week:

- On day 136, the 41st momentum dump was successfully executed at 1700Z, which imparted a delta V of 0.0697 m/sec.
- The average daily SSR playback volume for Behind was 4.5 Gbits during this week.